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## AVIAN INFLUENZA A (H7N9)

Human infections with avian influenza A (H7N9) in China continue to be reported. Most cases have been from China's eastern provinces, with a case newly identified from the Shandong province this week, as well as a case in Taiwan who had extensive travel in China before his illness onset. The World Health Organization (WHO) is posting updates on the latest number of cases and the ongoing epidemiologic investigation [here](#). So far, there is no evidence of sustained human-to-human transmission. This week the virus was detected in a bird from a farm setting. There is no recommendation against travel to China at this time.

### Related Articles:

- NEJM: [Preliminary Epidemiology of the Outbreak](#), shows about three fourths of cases had underlying medical conditions, the same percent were exposed to animals
- CIDRAP: [Preponderance of older men with H7N9](#)
- [Chinese scientists reveal H7N9 flu virus origin](#)
- CIDRAP: [Taiwan](#) reports first H7N9 case outside China
- Washington Post: [3 good signs, 3 bad signs, and 3 very bad signs](#)
- PBS: [When to worry about influenza](#)
- [Some H7N9 flu answers coming into view, others still a mystery: WHO](#)

The following resources about H7N9 are available:

- The U.S. Centers for Disease Control and Prevention (CDC) is posting updated information on the situation [here](#).
  - CDC is providing weekly updates. Key points from April 19 are attached.
  - [Selected H7N9 Publications and Resources](#)
- Situation updates are being posted by:
  - [WHO](#)
  - [Chinese Center for Disease Control and Prevention](#)
  - [European Centers for Disease Prevention and Control](#)
  - [Center for Infectious Disease Research & Policy](#)

## H5N1 AVIAN INFLUENZA

### News articles

- [BANGLADESH REPORTS HUMAN H5N1 INFLUENZA DEATH](#)
- [H5N1 HITS MORE POULTRY FARMS IN NEPAL](#)
- [LOW-PATH H5N1 STRIKES TWO GERMAN TURKEY FARMS](#)
- [VACCINE PROTECTS FERRETS AGAINST H5, H7, AND H9 AVIAN FLU](#)

## INTERIM RECOMMENDATIONS ON PREVENTION & CONTROL OF INFLUENZA WITH VACCINES

CDC has put 2013 Interim Recommendations of the Advisory Committee on Immunization Practices (ACIP) for Prevention and Control of Influenza with Vaccines on their [website](#). These include the vaccines available for the 2013-2014 flu season. An expanded recommendation will be published in the [MMWR](#) prior to the start of the 2013-2014 season.

## INFLUENZA-RELATED NEWS ARTICLES

- [Michigan legislature considering flu vaccine exception](#)
- [Vietnam child died from H1N1](#)
- [Influenza vaccine produced using microalgal platform](#)
- [The Cargile Family: New Member of Families Fighting Flu](#)

## INFLUENZA-RELATED JOURNAL ARTICLES

- A survey in Texas showed high levels of parental prevention behaviors and physician recommendation were strongly associated with influenza vaccination of healthy children in [daycare](#).
- A Japanese study assessed adverse fetal outcomes of infants exposed to oseltamivir or zanamivir [in utero](#) during the 2009 H1N1 pandemic.
- Scientists in the Netherlands have developed improved molecular tools to streamline influenza [testing](#).

## NATIONAL INFANT IMMUNIZATION WEEK (NIIW)

This week, April 20-27, is NIIW - an [annual observance](#) to highlight the importance of protecting infants from vaccine-preventable diseases.

## OLDER ADOLESCENT & ADULT IMMUNIZATION CONFERENCE

The Older Adolescent & Adult Immunization Conference was held April 22. All the presentation materials are [online](#).

## VIRTUAL IMMUNIZATION COMMUNICATION NETWORK

The VIC Network held a webinar on April 16 titled "Looking Ahead to the Next Flu Season: Vaccine Options and Messages." Slides and a recording of the webinar are [here](#).

## FLU WEBSITES

[www.michigan.gov/flu](http://www.michigan.gov/flu)  
[www.cdc.gov/flu](http://www.cdc.gov/flu)  
[www.flu.gov](http://www.flu.gov)  
<http://vaccine.healthmap.org/>

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